

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

Express Mail Label No.

Docket No.
50935-4/aba

Declaration For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHODS AND APPARATUS FOR PARALLEL IMPLEMENTATIONS OF TABLE LOOK-UPS AND CIPHERING

the specification of which

(check one)

☒ is attached hereto.

☐ was filed on _____ as United States Application No. or PCT International Application Number _____ and was amended on _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior applications and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, CFR Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor	
Roger Maitland	
Sole or first inventor's signature	Date
<i>Roger Maitland</i>	Jan 20/2004
Residence	
Woodlawn, Ontario, Canada	
Citizenship	
CANADIAN	
Post Office Address	
3258 Stonecrest Road, RR#2 Woodlawn, Ontario, K0A 3M0, Canada	

Full name of second inventor, if any	
Mark Turnbull	
Second inventor's signature	Date
<i>Mark Turnbull</i>	JAN 20/2004
Residence	
Stittsville, Ontario, Canada	
Citizenship	
CANADIAN	
Post Office Address	
28 Crantham Crescent, Stittsville, Ontario, K2S 1R2, Canada	

Full name of third inventor, if any	
Third inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Full name of fourth inventor, if any	
Fourth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

22/01/2004 10:40

+33-1-39443743

NNSA 371 ..

PATENT/DOCKET NO. 50935-4
CUSTOMER NO. 07380

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Serial No.: n/a

Filed: Herewith

Title: METHODS AND APPARATUS
FOR PARALLEL IMPLEMENTATIONS
OF TABLE LOOK-UPS AND CIPHERING

§
§
§
§
§
§
§
§
§
§
§

Attorney Docket No. 50935-4

Group Art Unit: n/a

Examiner: n/a

JAN 23
F.F

Commissioner for Patents
Alexandria, VA 22313-1450

POWER OF ATTORNEY FOR
PATENT APPLICATION

Nortel Networks Limited, a Canadian corporation having principal offices at:

Nortel Networks Limited
2351 Boulevard Alfred-Nobel
St. Laurent, Quebec H4S 2A9, Canada

the owner by assignment of the entire right, title and interest to the invention for
METHODS AND APPARATUS FOR PARALLEL IMPLEMENTATIONS OF
TABLE LOOK-UPS AND CIPHERING, by MAITLAND, Roger and TURNBULL,
Mark and in and to the application for patent and any Letters Patent, whether domestic or
foreign, that may issue thereon, by virtue of the assignment:

- ☒ Recorded Concurrently Herewith
☐ Recorded on
☐ Recorded at Reel Frame
☐ Copy Attached

hereby appoints the following attorneys and/or agents to prosecute this application and
transact all business in the Patent and Trademark Office connected therewith:

22/01/2004 18:48

+33-1-39443743

NASH OF A

A. DAVID MORROW (Reg. No. 28,816)
 ROBERT D. GOULD (Reg. No. 27,523)
 THOMAS R. KELLY (Reg. No. 29,244)
 TOKUO HIRAMA (Reg. No. 32,551)
 KOEJI SUZUKI (Reg. No. 44,467)
 R. JOHN HALBY (Reg. No. 29,502)
 THUY HUONG NGUYEN (Reg. No. 47,336)
 DAVID E. SCHWARTZ (Reg. No. 48,211)
 STEVEN B. GARLAND (Reg. No. 50,003)
 COLIN B. INGRAM (Reg. No. 52,437)
 DAPHNE L. MARAVEI (Reg. No. 53,881)
 DAVID M. WALTERS (Reg. No. 53,904)

JAMES MCGRAW (Reg. No. 28,168)
 JOHN BOCHNOVIC (Reg. No. 29,229)
 JOY D. MORROW (Reg. No. 30,911)
 R. ALLAN BRETT (Reg. No. 40,476)
 PHILIP D. LAPIN (Reg. No. 44,443)
 CHRISTINE N. GENGE (Reg. No. 45,405)
 KEVIN K. GRAHAM (Reg. No. 47,365)
 ELLIOTT S. SIMCOE (Reg. No. 50,010)
 SOHRAB SABET (Reg. No. 30,723)
 ELIZABETH A. HAYES-QUEBEC (Reg. No. 48,305)
 DAPHNE C. RIPLEY (Reg. No. 53,882)

PLEASE SEND CORRESPONDENCE TO: SMART & BIGGAR
 P.O. Box 2999, Station D
 900-55 Metcalfe Street
 Ottawa, Ontario
 Canada K1P 5Y6
 Tel: (613) 232-2486
 Fax: (613) 232-8440

CUSTOMER NO. 07380

its attorneys with full power of substitution and revocation, to prosecute all domestic and foreign patent applications, including PCT and EPO filings, relating to said invention and to transact all business connected therewith, including signing of all papers on its behalf and making alterations and amendments.

The undersigned is the representative for the Assignee of the entire right, title, and interest in the patent application identified above, and is authorized to act on behalf of the Assignee.

NORTEL NETWORKS LIMITED

Jan 21, 2004
 Date

JEAN-PAUL AMELINE
 Name:

DANAGER, IP LAW, FRANCE GERMANY
 Title

